

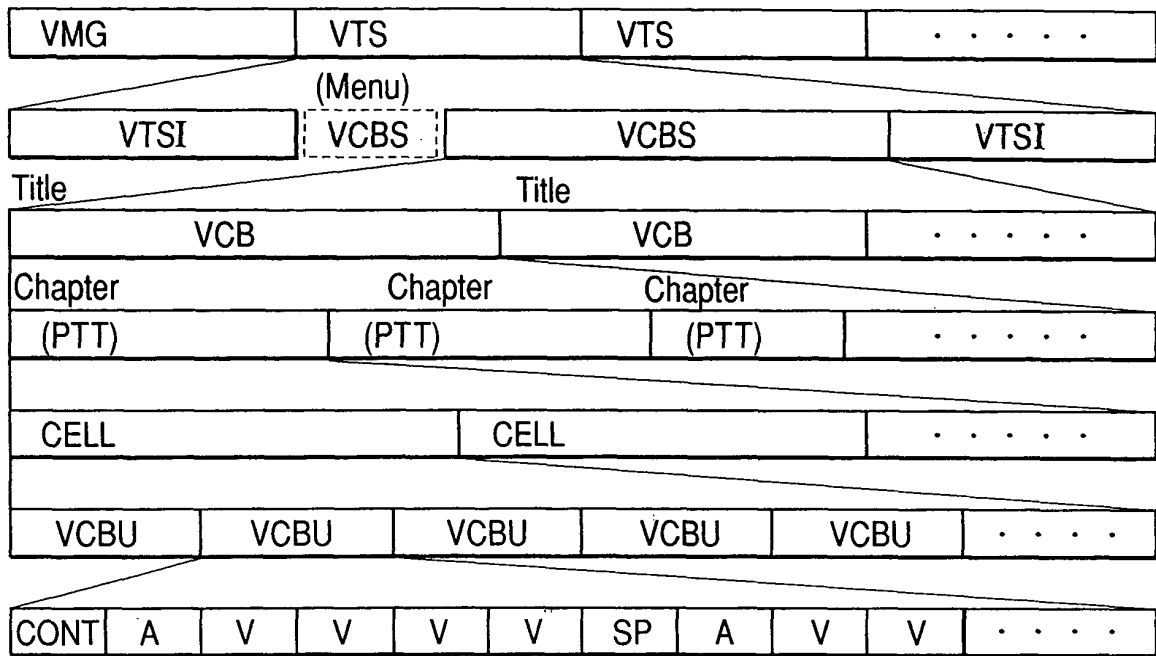
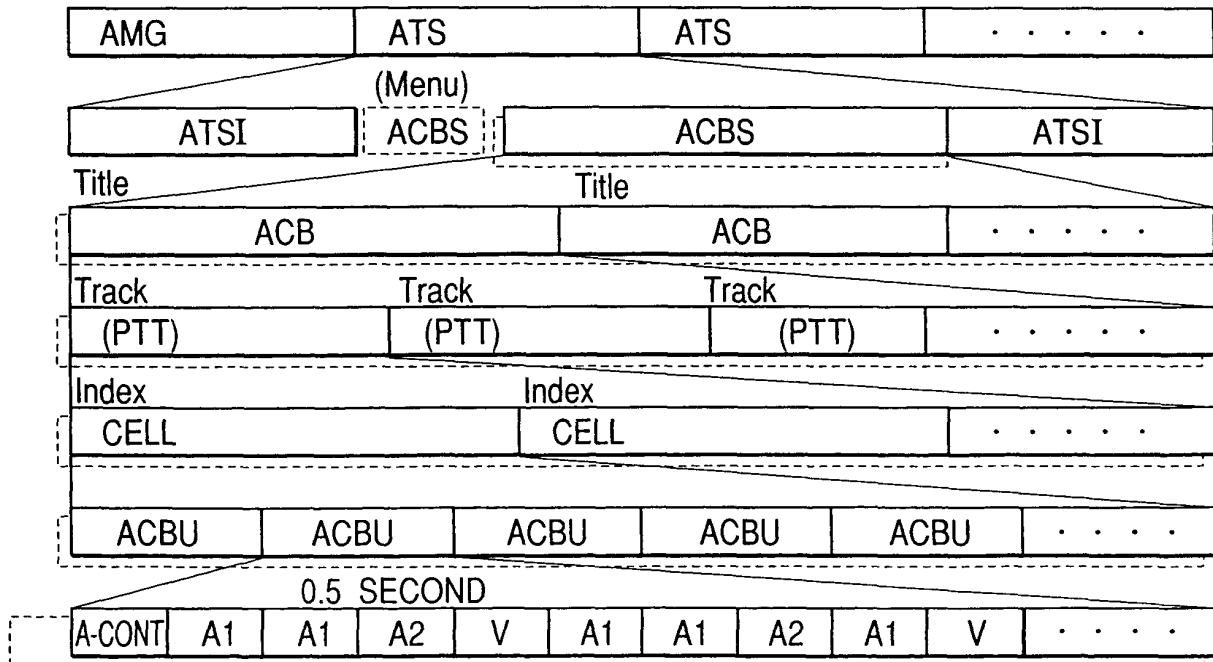
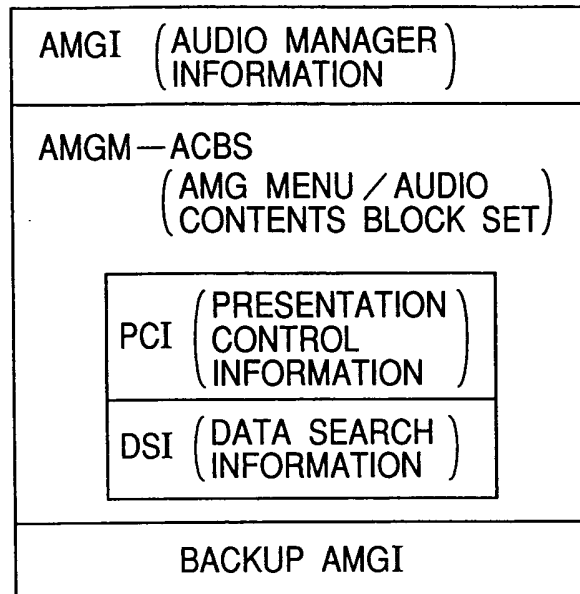
FIG. 1**FIG. 2**

FIG. 3

AMG (AUDIO MANAGER)

**FIG. 4**

ATS (AUDIO TITLE SET)

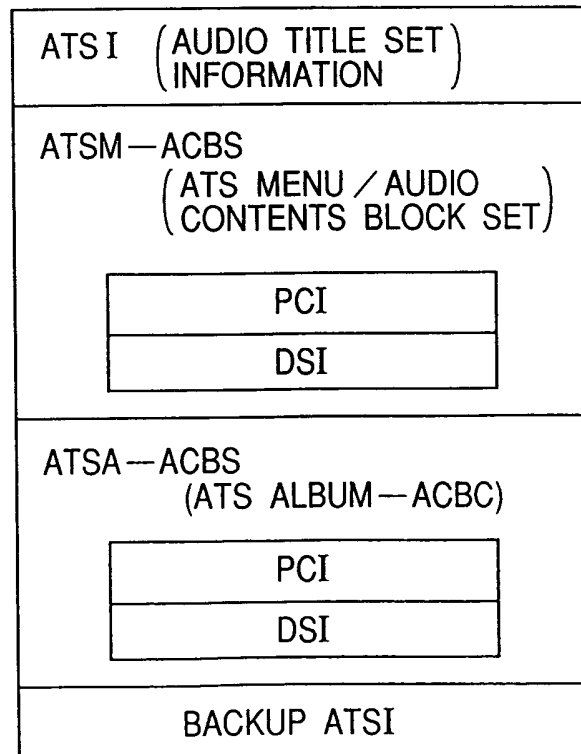


FIG. 5

AMGI (AUDIO MANAGER)
(INFORMATION)

AMGI — MAT (AMGI MANAGEMENT TABLE)
T — SRPT (TITLE SEARCH POINTER TABLE)
AMGM — PGC I — UT (AUDIO MANAGER MENU) (PGC I UNIT TABLE)
PTL — MAIT (PARENTAL MANAGEMENT) (INFORMATION TABLE)
ATS — ATRT (AUDIO TITLE SET ATTRIBUTE TABLE)
TXTDT — MG (TEXT DATA MANAGER)
AMGM — C — ADT (AMGM CELL ADDRESS TABLE)
AMGM — ACBU — ADMAP (AMGM — ACBU — ADDRESS MAP)

FIG. 6

ATS—ATRT (AUDIO TITLE SET
ATTRIBUTE TABLE)

	ATS—ATRTI (ATS—ATRT INFORMATION)
n	ATS—ATR—SRP#1 (ATS#1—AAS—ATR) (SEARCH POINTER)
n	ATS—ATR—SRP#n
	ATS—ATR#1 (ATS#1—AAS ATTRIBUTE)
	ATS—ATR#n

FIG. 7

ATS—ATR (ATS ATTRIBUTE)

ATS—ATR—EA (END ADDRESS)	4 BYTES
ATS—CAT (CATEGORY)	4 BYTES
ATS—ATR I (ATS—ATR INFORMATION)	768 BYTES

FIG. 8

ATSI (AUDIO TITLE SET
INFORMATION)

ATSI—MAT (ATSI MANAGEMENT TABLE)
ATS—PTT—SRPT (ATS PART OF TITLE SEARCH POINTER TABLE)
ATS—PGCIT (ATS PROGRAM CHAIN INFORMATION TABLE)
ATSM—PGCI—UT (ATS MENU PROGRAM CHAIN UNIT TABLE)
ATS—TMAPT (ATS TIME MAP TABLE)
ATSM—C—ADT (ATS MENU CELL ADDRESS TABLE)
ATSM—ACBU—ADMAP (ATS MENU ACBU ADDRESS MAP)
ATS—C—ADT (ATS CELL ADDRESS TABLE)
ATS—ACBU—ADMAP (ATS—ACBU—ADDRESS MAP)

FIG. 9

ATSI — MAT
(ATSI MANAGEMENT TABLE)

ATS — ID (IDENTIFIER)	
ATS — EA (END ADDRESS)	
ATSI — EA	
VERN (VERSION NUMBER)	
ATS — CAT (CATEGORY)	
ATSI — MAT — EA	
ATSM — ACBS — SA (START ADDRESS)	
ATSA — ACBS — SA	
ATS — PTT — SRPT — SA	
ATS — PGCIT — SA	
ATSM — PGCIT — UT — SA	
ATS — TMAPT — SA	
ATSM — C — ADT — SA	
ATSM — ACBU — ADMAP — SA	
~~~~~	
ATSM — AST — ATR ( ATSM AUDIO STREAM ) ( ATTRIBUTE )	
ATS — AST — N _s (ATS AUDIO STREAM NUMBER)	
ATS — AST — ATRT ( ATS AUDIO STREAM ) ( ATTRIBUTE TABLE )	

b63	b62	b61	b60	b59	b58	b57	b56
AUDIO ENCODING MODE							

b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZATION / DRC		fs			AUDIO CHANNEL NUMBER		

b47 _____ b40

b39 _____ b32

b31 _____ b24

b23 _____ b16

b15 _____ b8

b7 _____ b0

FIG. 11

ATS—AST—ATRT			
AUDIO STREAM	(AST) #0	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #1	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #2	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #3	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #4	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #5	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #6	ATS—AST—ATR	8 BYTES
AUDIO STREAM	(AST) #7	ATS—AST—ATR	8 BYTES



b63	b62	b61	b60	b59	b58	b57	b56
AUDIO ENCODING MODE			ME	AUDIO TYPE		AUDIO APPLICATION MODE	

b55	b54	b53	b52	b51	b50	b49	b48
QUANTIZATION / DRC	fs			AUDIO CHANNEL NUMBER			

b47	b46	b45	b44				b40
AST THINNING		LFE THINNING					

b39 _____ b32

b31 b24

b23 _____ b16

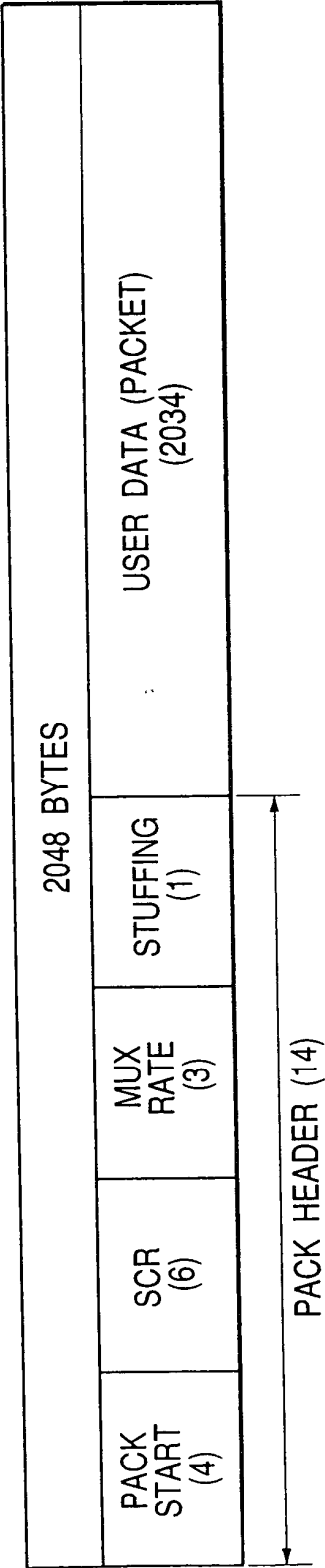
b15 _____ b8

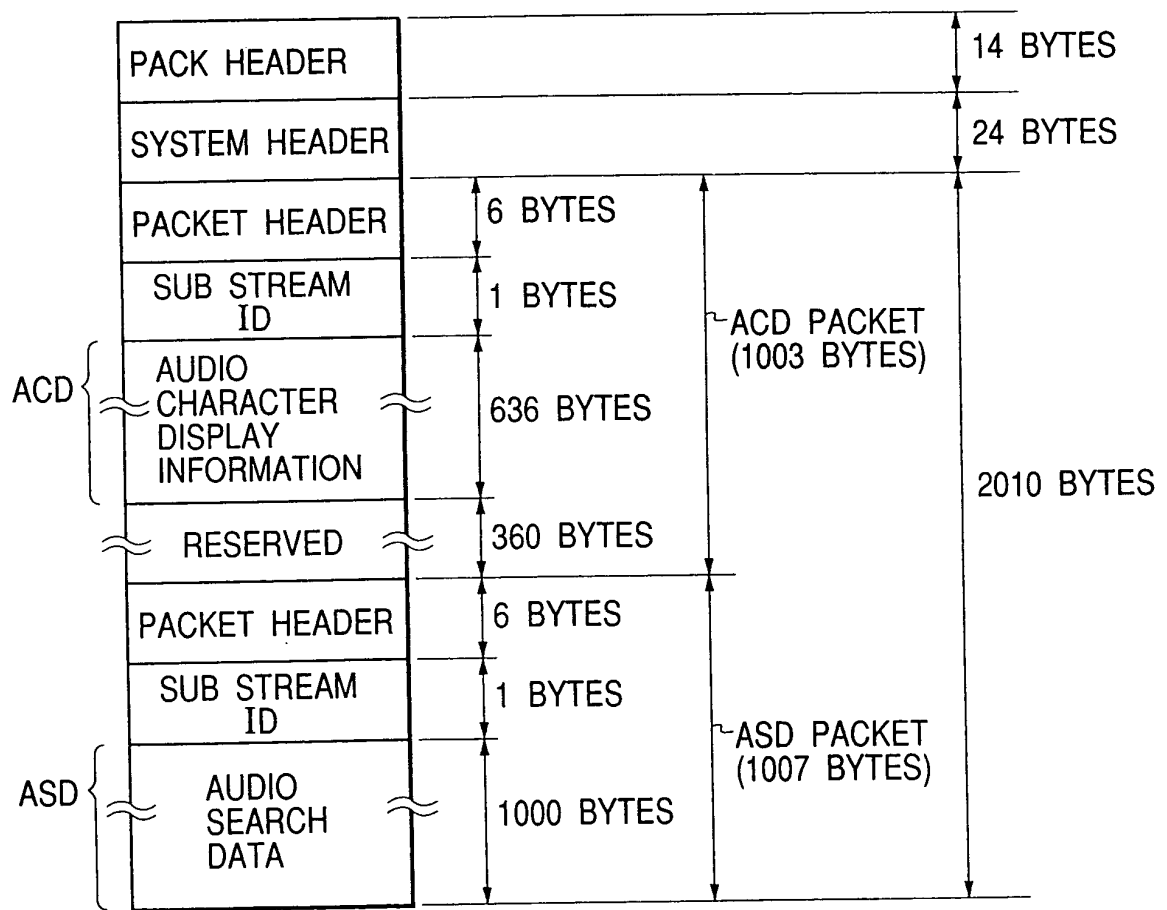
b7 b0



FIG. 14

AUDIO PACK (VIDEO PACK)



**FIG. 15****AUDIO CONTROL PACK (2048 BYTES)**

**FIG. 16**

ACD (636 BYTES)

GENERAL INFORMATION	48 BYTES	
NAME SPACE	93 BYTES	93 BYTES
FREE SPACE 1	93 BYTES	93 BYTES
FREE SPACE 2	93 BYTES	93 BYTES
DATA POINTER	15 BYTES	15 BYTES
TOTAL	294 BYTES	294 BYTES
	FIRST LANGUAGE	SECOND LANGUAGE

**FIG. 17**

キョクモクカイセツ  
 前作のエディング曲  
 "FORGET-ME-NOT"

**FIG. 18**

ASD (1000 BYTES)

GENERAL	16 BYTES
PRESENT NUMBER	8 BYTES
PRESENT TIME	16 BYTES
TITLE SET SEARCH	8 BYTES
TITLE SEARCH	8 BYTES
TRACK SEARCH	404 BYTES
INDEX SEARCH	408 BYTES
HIGHLIGHT SEARCH	80 BYTES
RESERVED	52 BYTES



**FIG. 20**

	2CH (STEREO)	6CH	8CH	Mbps	TIME (MIN)	ABOVE 80MIN
2ch	48khz /16bit (1.536Mbps)			1.536	387	*
	48khz /20bit (1.920Mbps)			1.920	310	*
	48khz /24bit (2.304Mbps)			2.304	258	*
	96khz /16bit (3.072Mbps)			3.072	194	*
	96khz /20bit (3.804Mbps)			3.804	156	*
	96khz /24bit (4.608Mbps)			4.608	129	*
	192khz /16bit (6.144Mbps)			6.144	97	*
	192khz /20bit (7.680Mbps)			7.680	78	
	192khz /24bit (9.216Mbps)			9.216	65	
2+6ch	48khz /16bit (1.536Mbps)	48khz /16bit (4.608Mbps)		6.144	97	*
		48khz /20bit (5.760Mbps)		7.296	82	*
		48khz /24bit (6.912Mbps)		8.448	70	
	48khz /20bit (1.920Mbps)	48khz /16bit (4.608Mbps)		6.528	91	*
		48khz /20bit (5.760Mbps)		7.680	78	
		48khz /24bit (6.912Mbps)		8.832	67	
	48khz /24bit (2.304Mbps)	48khz /16bit (4.608Mbps)		6.912	86	*
		48khz /20bit (5.760Mbps)		8.064	74	
		48khz /24bit (6.912Mbps)		9.216	65	
2+8ch	96khz /16bit (3.072Mbps)	48khz /16bit (4.608Mbps)		7.680	78	
		48khz /20bit (5.760Mbps)		8.832	67	
	96khz /20bit (3.840Mbps)	48khz /16bit (4.608Mbps)		8.448	71	
		48khz /20bit (5.760Mbps)		9.600	62	
	96khz /24bit (4.608Mbps)	48khz /16bit (4.608Mbps)		9.216	65	
2+8ch	48khz /16bit (1.536Mbps)		48khz /16bit (6.144Mbps)	7.680	78	
			48khz /20bit (7.680Mbps)	9.216	65	
2+8ch	48khz /20bit (1.920Mbps)		48khz /16bit (6.144Mbps)	8.064	74	
			48khz /20bit (7.680Mbps)	9.600	62	
6ch		48khz /16bit (4.608Mbps)		4.608	129	*
		48khz /20bit (5.760Mbps)		5.760	103	*
		48khz /24bit (6.912Mbps)		6.912	86	
		96khz /16bit (9.216Mbps)		5.216	65	
8ch			48khz /16bit (6.144Mbps)	6.144	97	*
			48khz /20bit (7.680Mbps)	7.680	78	
			48khz /24bit (9.216Mbps)	9.216	65	



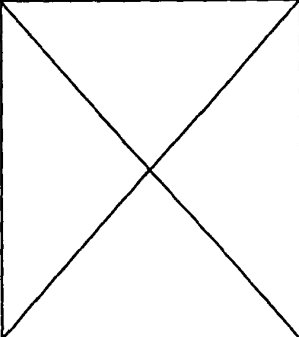
*FIG. 21*

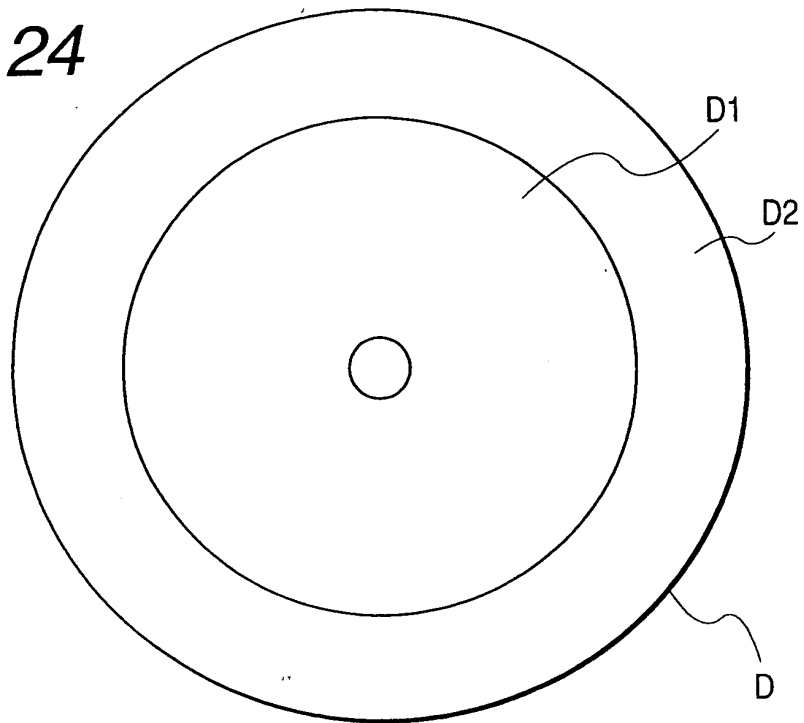
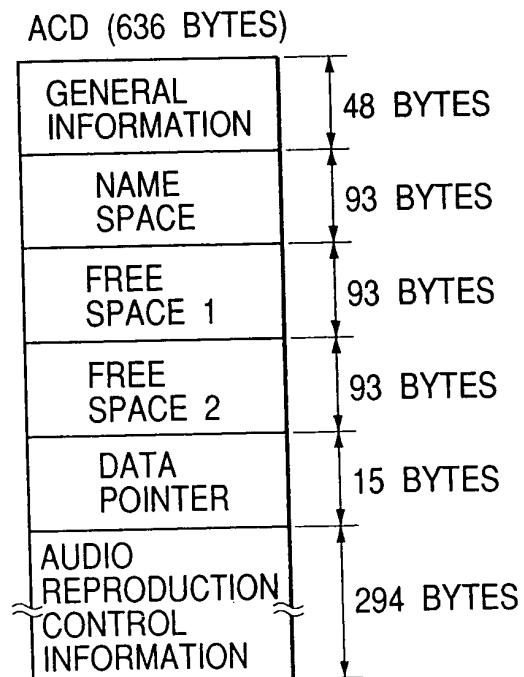
	2CH	FRONT 3CH	REAR 2CH, LFE 1CH	Mbps	TIME
2+6ch	48khz /16bit (1.536Mbps)	96khz /16bit (4.608Mbps)	48khz /16bit (2.304Mbps)	8.448	70
	"	96khz /20bit (5.760Mbps)	48khz /16bit (2.304Mbps)	9.6	62
	48khz /20bit (1.920Mbps)	96khz /16bit (4.608Mbps)	48khz /16bit (2.304Mbps)	8.832	67

*FIG. 22*

	2CH	FRONT 3CH	REAR 2CH	Mbps	TIME
2+5ch	48khz /16bit (1.536Mbps)	96khz /20bit (5.760Mbps)	48khz /16bit (1.536Mbps)	8.832	67
	48khz /20bit (1.920Mbps)	96khz /20bit (5.760Mbps)	48khz /16bit (1.536Mbps)	9.216	65
	48khz /20bit (1.920Mbps)	96khz /20bit (5.760Mbps)	48khz /20bit (1.920Mbps)	9.6	62

*FIG. 23*

6ch		FRONT 3CH	REAR 2CH, LFE 1CH	Mbps	TIME
		96khz /16bit (4.608Mbps)	48khz /16bit (2.304Mbps)	6.912	86
		96khz /20bit (5.760Mbps)	48khz /16bit (2.304Mbps)	8.064	74
			48khz /20bit (2.880Mbps)	8.64	68
			48khz /24bit (3.456Mbps)	9.216	65
		96khz /24bit (6.912Mbps)	48khz /16bit (2.304Mbps)	9.216	65

**FIG. 24****FIG. 25**

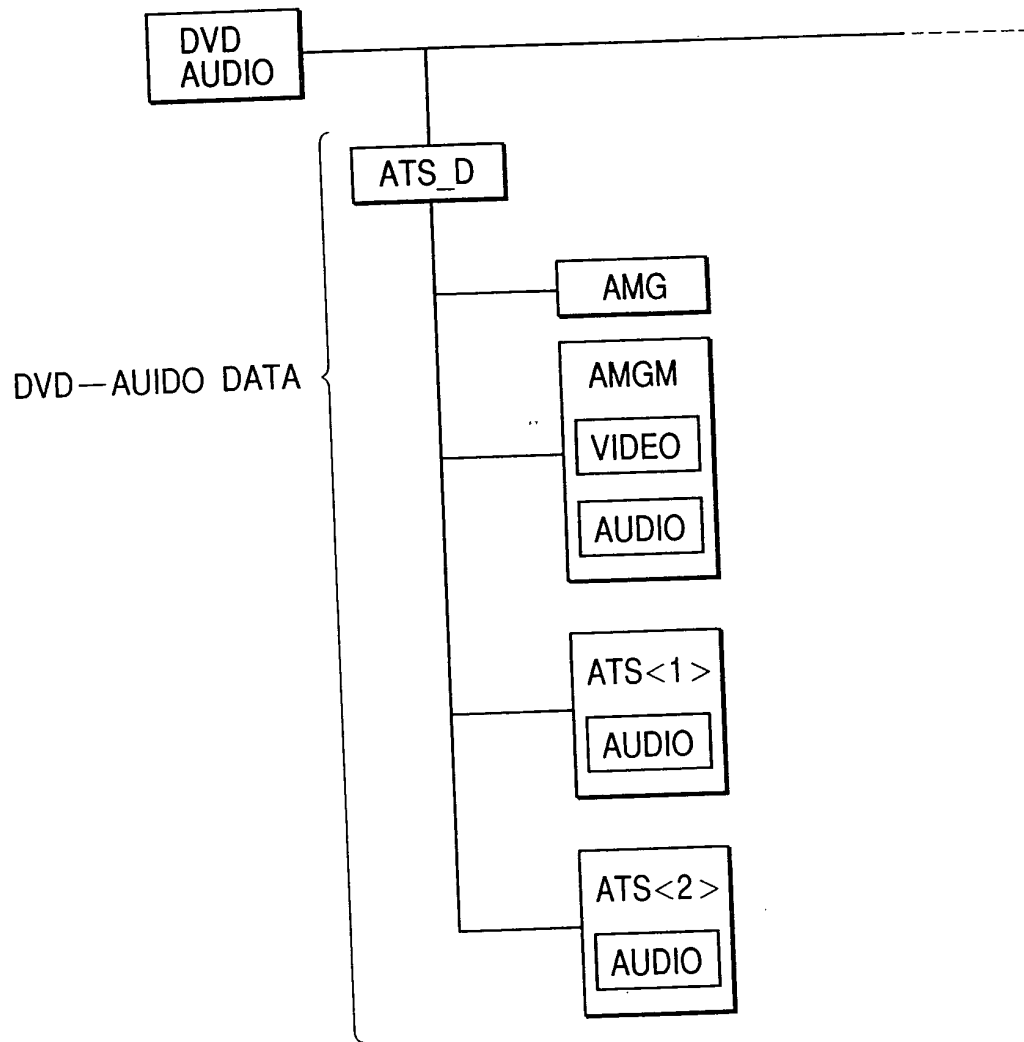
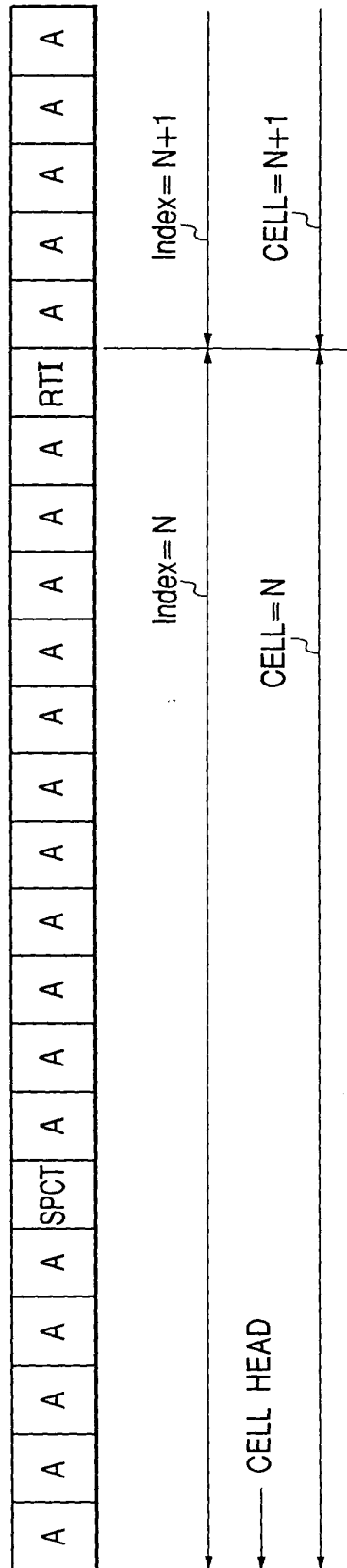
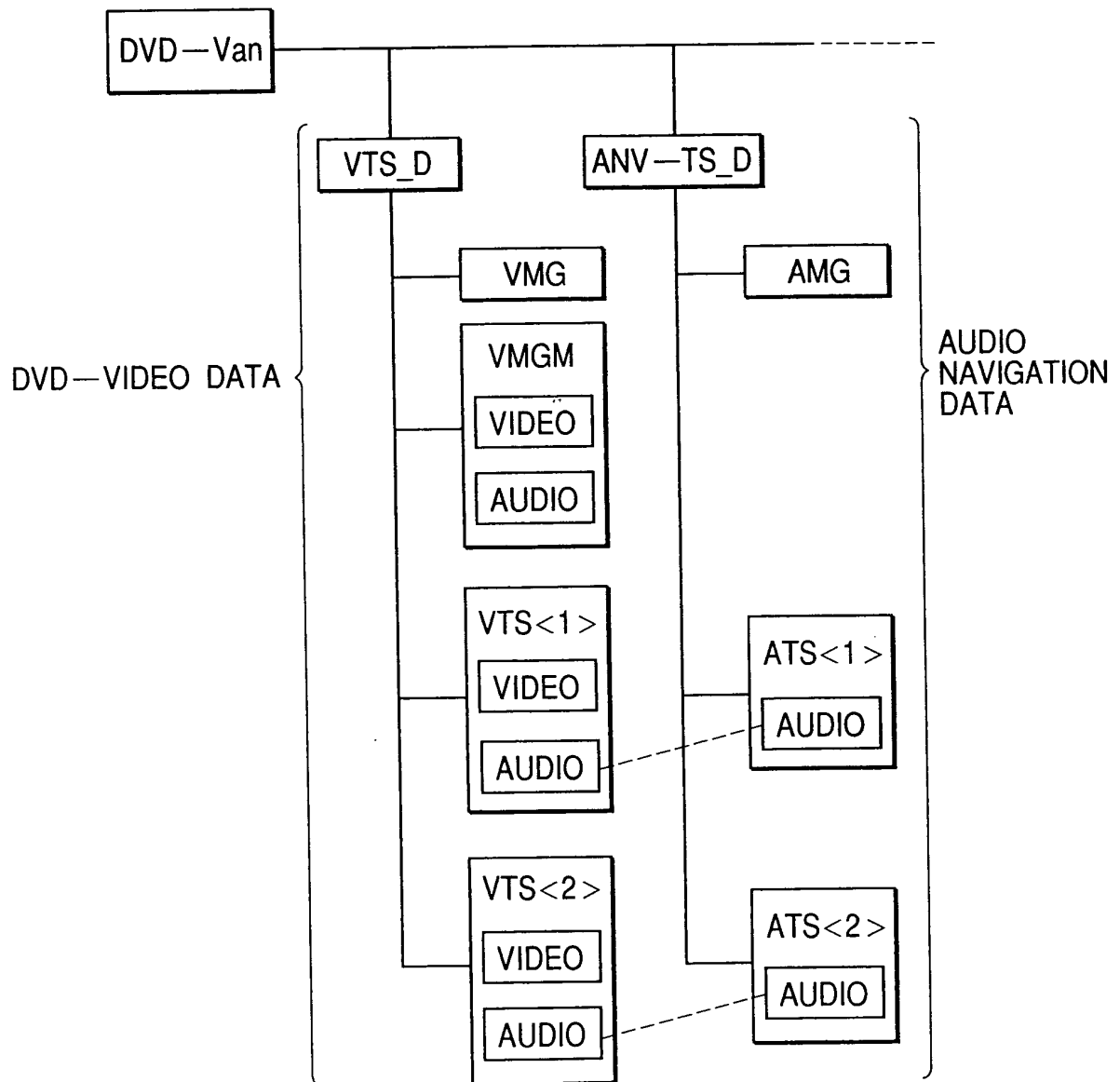
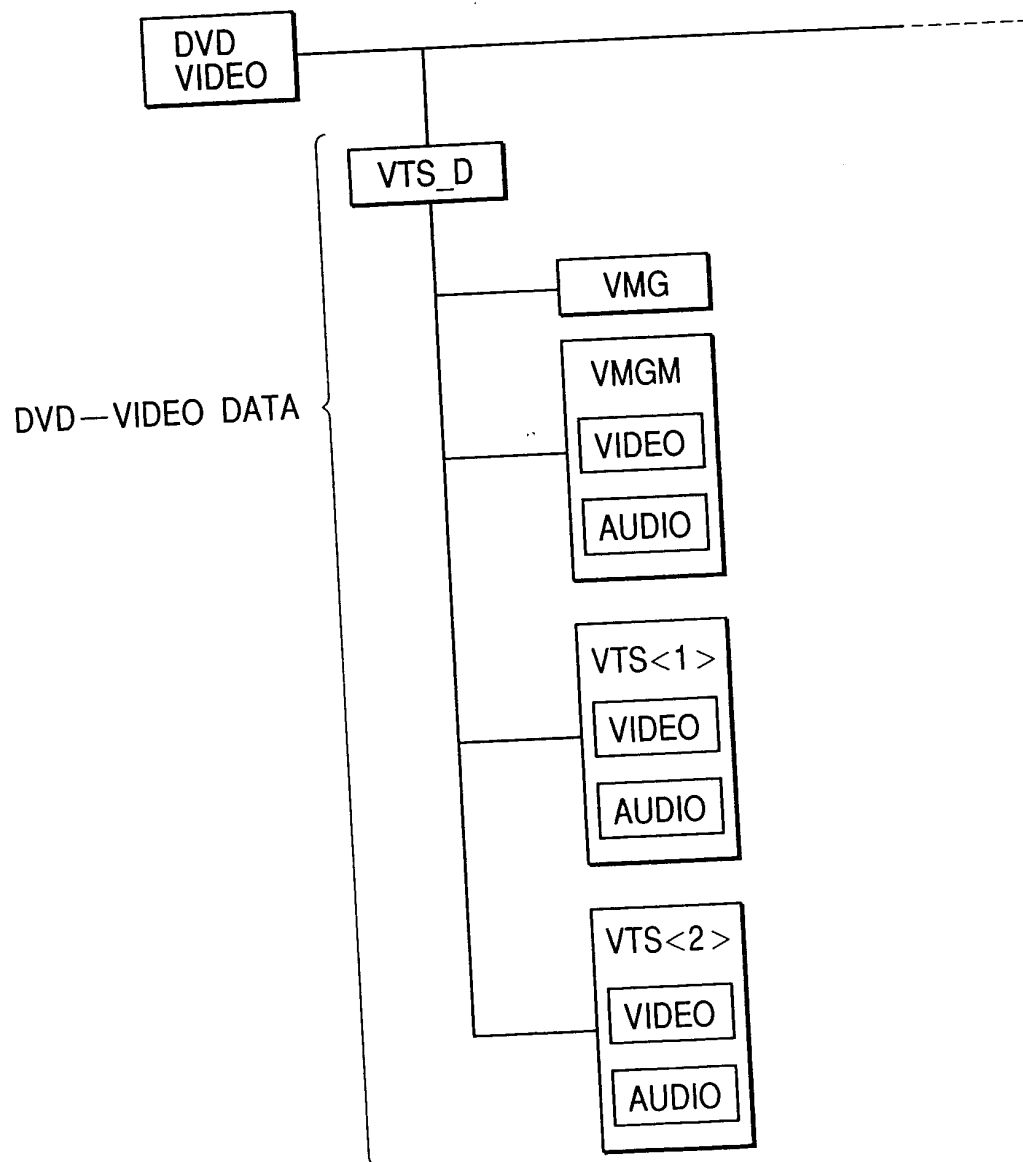
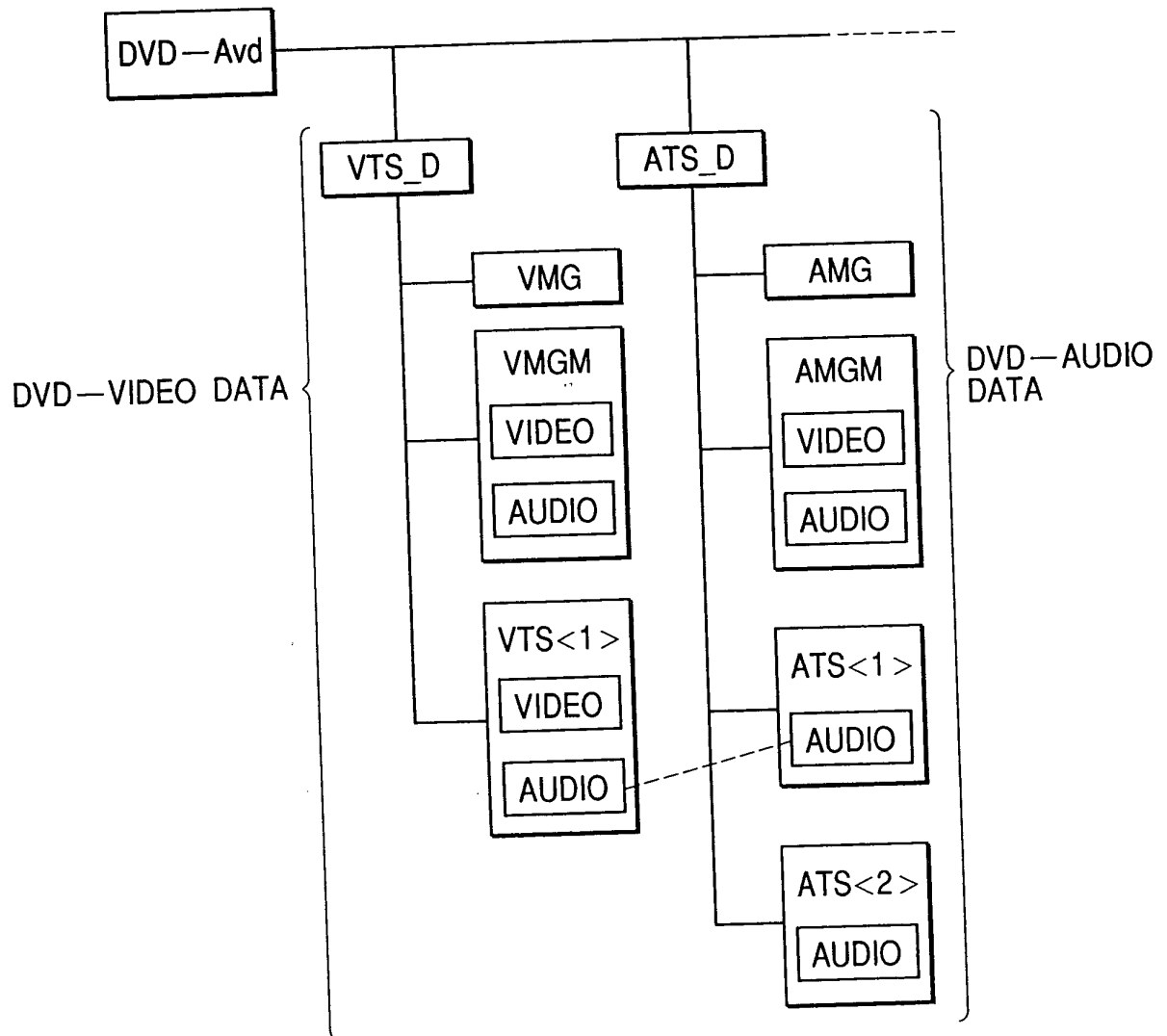
*FIG. 26*

FIG. 27



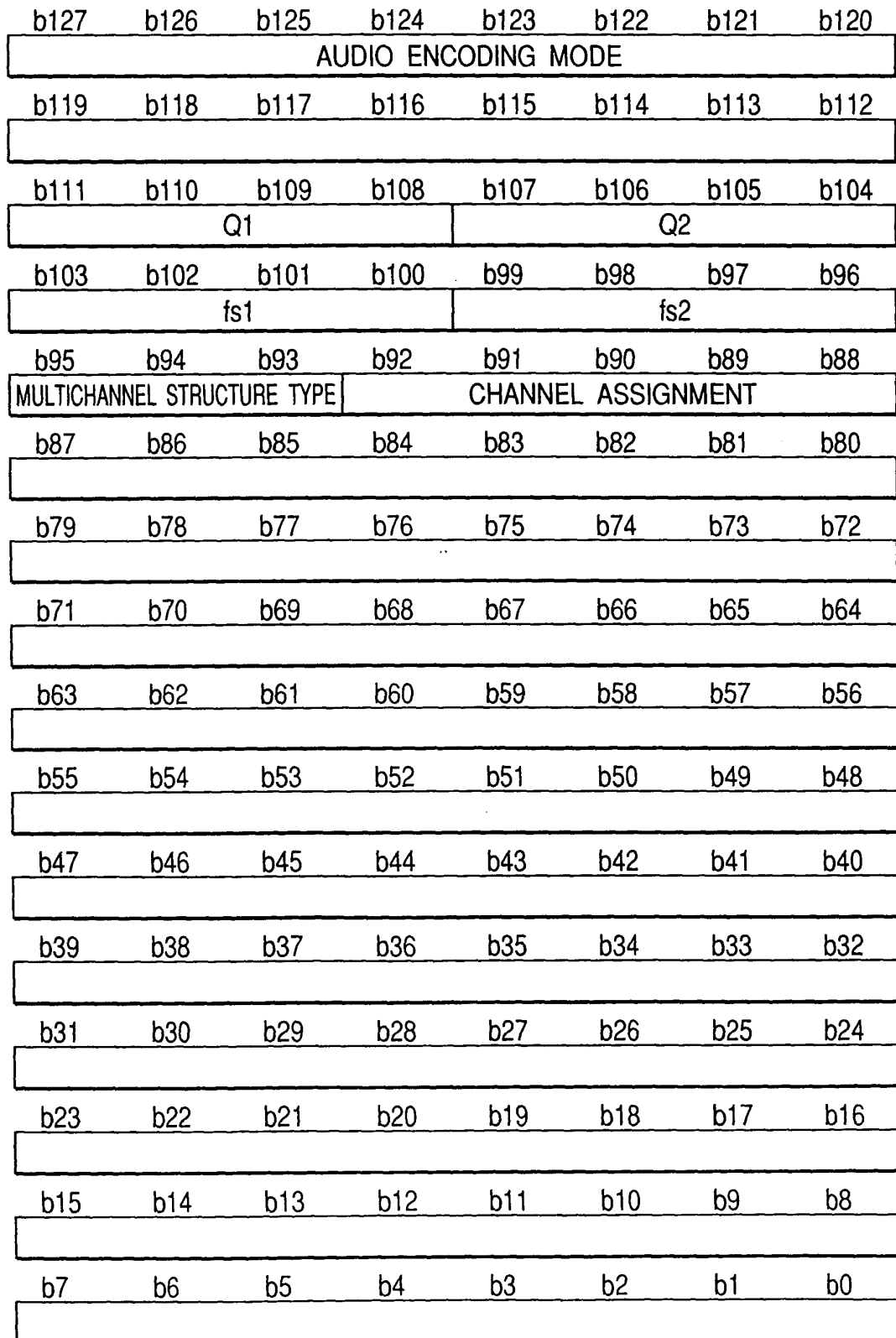
**FIG. 28**

*FIG. 29*

**FIG. 30**

**FIG. 31**

AOTT—AOB—ATR



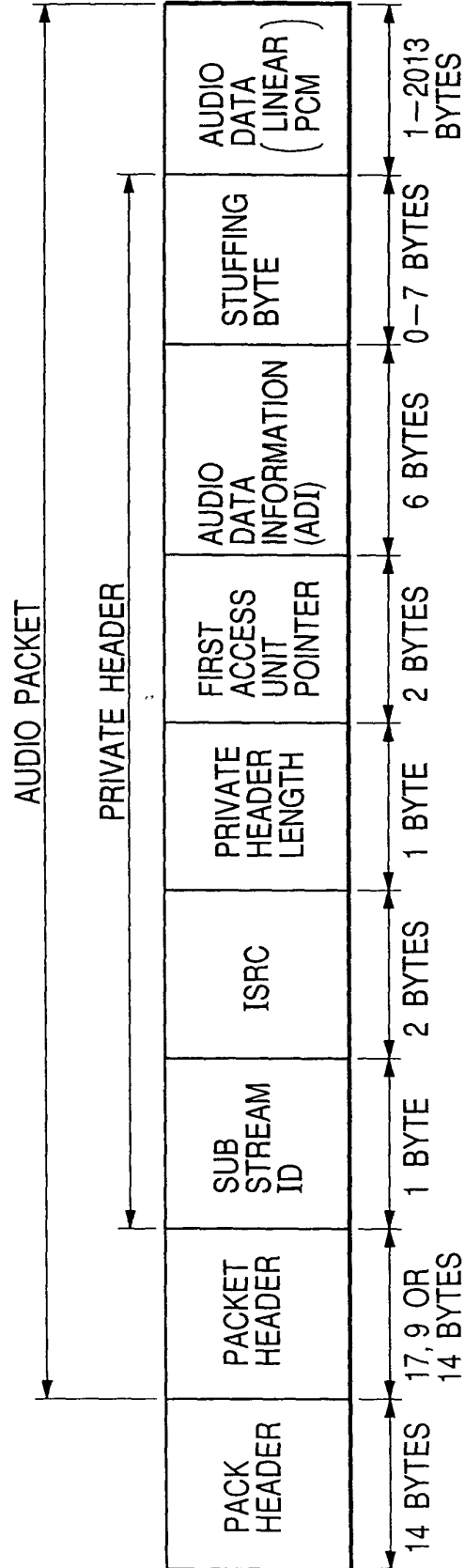


**FIG. 32**

CHANNEL ASSIGNMENT INFORMATION (BIT PATTERN)	CHANNEL STRUCTURE OF GROUPS 1, 2						CHANNEL NUMBER IN GROUP 1	CHANNEL NUMBER IN GROUP 2
	ACH0	ACH1	ACH2	ACH3	ACH4	ACH5		
00000b	C(mono)	none	none	none	none	none	1	0
00001b	L	R	none	none	none	none	2	0
00010b	Lf	Rf	S	none	none	none	2	1
00011b	Lf	Rf	Ls	Rs	none	none	2	2
00100b	Lf	Rf	LFE	none	none	none	2	1
00101b	Lf	Rf	LFE	S	none	none	2	2
00110b	Lf	Rf	LFE	Ls	Rs	none	2	3
00111b	Lf	Rf	C	none	none	none	2	1
01000b	Lf	Rf	C	S	none	none	2	2
01001b	Lf	Rf	C	Ls	Rs	none	2	3
01010b	Lf	Rf	C	LFE	none	none	2	2
01011b	Lf	Rf	C	LFE	S	none	2	3
01100b	Lf	Rf	C	LFE	Ls	Rs	2	4
01101b	Lf	Rf	C	S	none	none	3	1
01110b	Lf	Rf	C	Ls	Rs	none	3	2
01111b	Lf	Rf	C	LFE	none	none	3	1
10000b	Lf	Rf	C	LFE	S	none	3	2
10001b	Lf	Rf	C	LFE	Ls	Rs	3	3
10010b	Lf	Rf	Ls	Rs	LFE	none	4	1
10011b	Lf	Rf	Ls	Rs	C	none	4	1
10100b	Lf	Rf	Ls	Rs	C	LFE	4	2
OTHERS	RESERVED							
CHANNEL GROUP 1				CHANNEL GROUP 2				

FIG. 33

## LINEAR PCM AUDIO PACK



**FIG. 34**

## LINEAR PCM PRIVATE HEADER

	FILED	BIT NUMBER	BYTE NUMBER
	SUB STREAM ID	8	1
	RESERVED	4	2
	ISRC NUMBER	4	
	ISRC DATA	8	
	PRIVATE HEADER LENGTH	8	1
	FIRST ACCESS UNIT POINTER	16	2
ADI {	AUDIO EMPHASIS FLAG	1	1
	RESERVED	1	
	RESERVED	2	
	DOWN MIX CODE	4	
	QUANTIZATION WORD LENGTH 1	4	1
	QUANTIZATION WORD LENGTH 2	4	
	AUDIO SAMPLING FREQUENCY $f_s$ 1	4	1
	AUDIO SAMPLING FREQUENCY $f_s$ 2	4	
	RESERVED	4	1
	MULTICHANNEL TYPE	4	
	RESERVED	3	1
	CHANNEL ASSIGNMENT	5	
	DYNAMIC RANGE CONTROL	8	1
	STUFFING BYTE	—	0—7

b127	b126	b125	b124	b123	b122	b121	b120
------	------	------	------	------	------	------	------

b119      b118      b117      b116      b115      b114      b113      b112

b111      b110      b109      b108      b107      b106      b105      b104

Q

b103    b102    b101    b100    b99    b98    b97    b96

fs

b95      b94      b93      b92      b91      b90      b89      b88

MULTICHANNEL STRUCTURE TYPE	CHANNEL ASSIGNMENT
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
15	1
16	1
17	1
18	1
19	1
20	1
21	1
22	1
23	1
24	1
25	1
26	1
27	1
28	1
29	1
30	1
31	1
32	1
33	1
34	1
35	1
36	1
37	1
38	1
39	1
40	1
41	1
42	1
43	1
44	1
45	1
46	1
47	1
48	1
49	1
50	1
51	1
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57	1
58	1
59	1
60	1
61	1
62	1
63	1
64	1
65	1
66	1
67	1
68	1
69	1
70	1
71	1
72	1
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74	1
75	1
76	1
77	1
78	1
79	1
80	1
81	1
82	1
83	1
84	1
85	1
86	1
87	1
88	1
89	1
90	1
91	1
92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

b87      b86      b85      b84      b83      b82      b81      b80

DECODING AUDIO STREAM NUMBER
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
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26
27
28
29
30
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74
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78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99

b79	b78	b77	b76	b75	b74	b73	b72
-----	-----	-----	-----	-----	-----	-----	-----

MPEG AUDIO DRC	COMPRESSION AUDIO CHANNEL NUMBER
----------------	----------------------------------

b71      b70      b69      b68      b67      b66      b65      b64

b63      b62      b61      b60      b59      b58      b57      b56

b55      b54      b53      b52      b51      b50      b49      b48

b47      b46      b45      b44      b43      b42      b41      b40

b39      b38      b37      b36      b35      b34      b33      b32

b31      b30      b29      b28      b27      b26      b25      b24

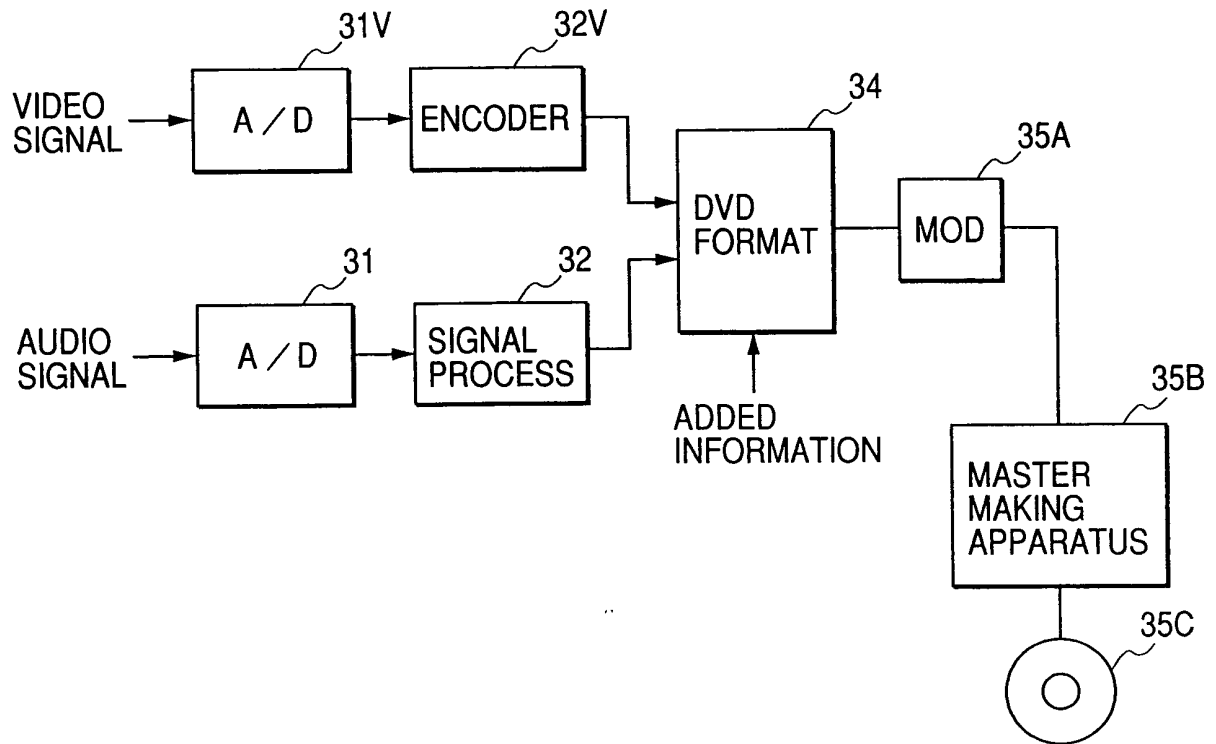
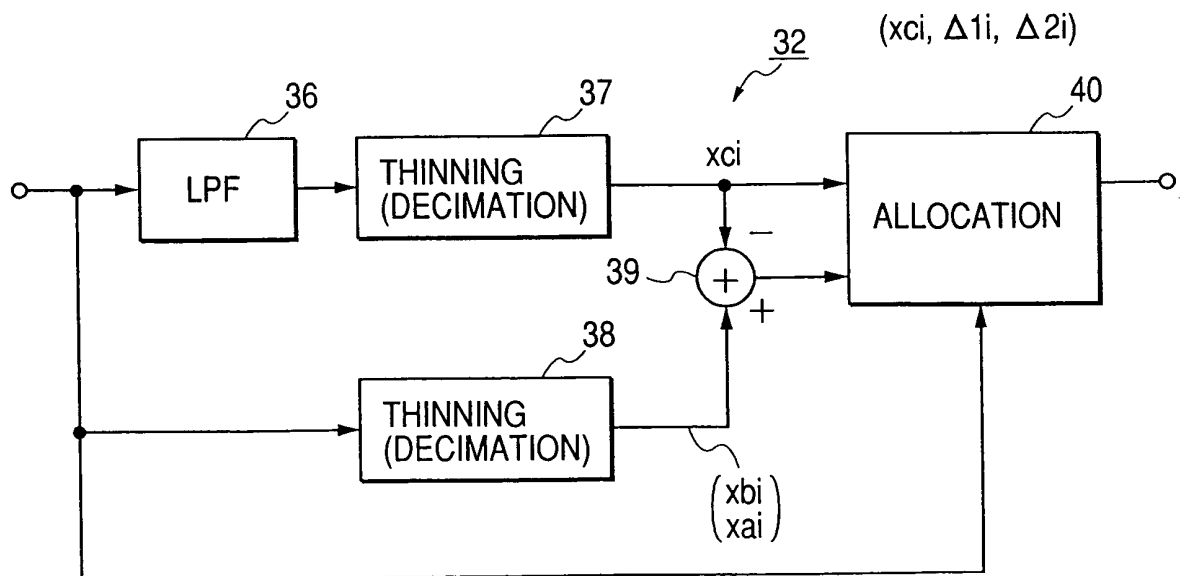
b23	b22	b21	b20	b19	b18	b17	b16
-----	-----	-----	-----	-----	-----	-----	-----

b15      b14      b13      b12      b11      b10      b9      b8

```

b7      b6      b5      b4      b3      b2      b1      b0

```

**FIG. 36****FIG. 37**

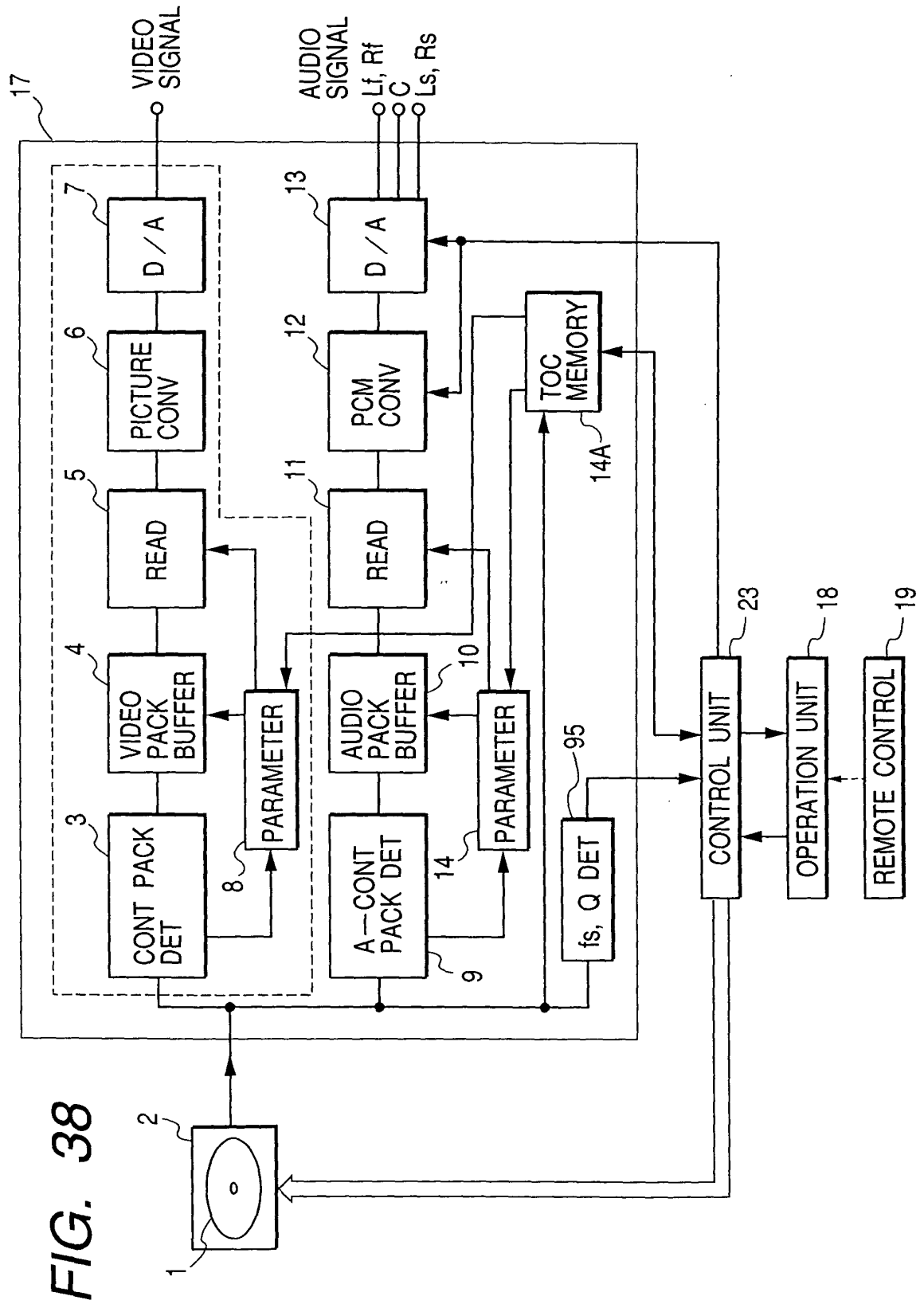
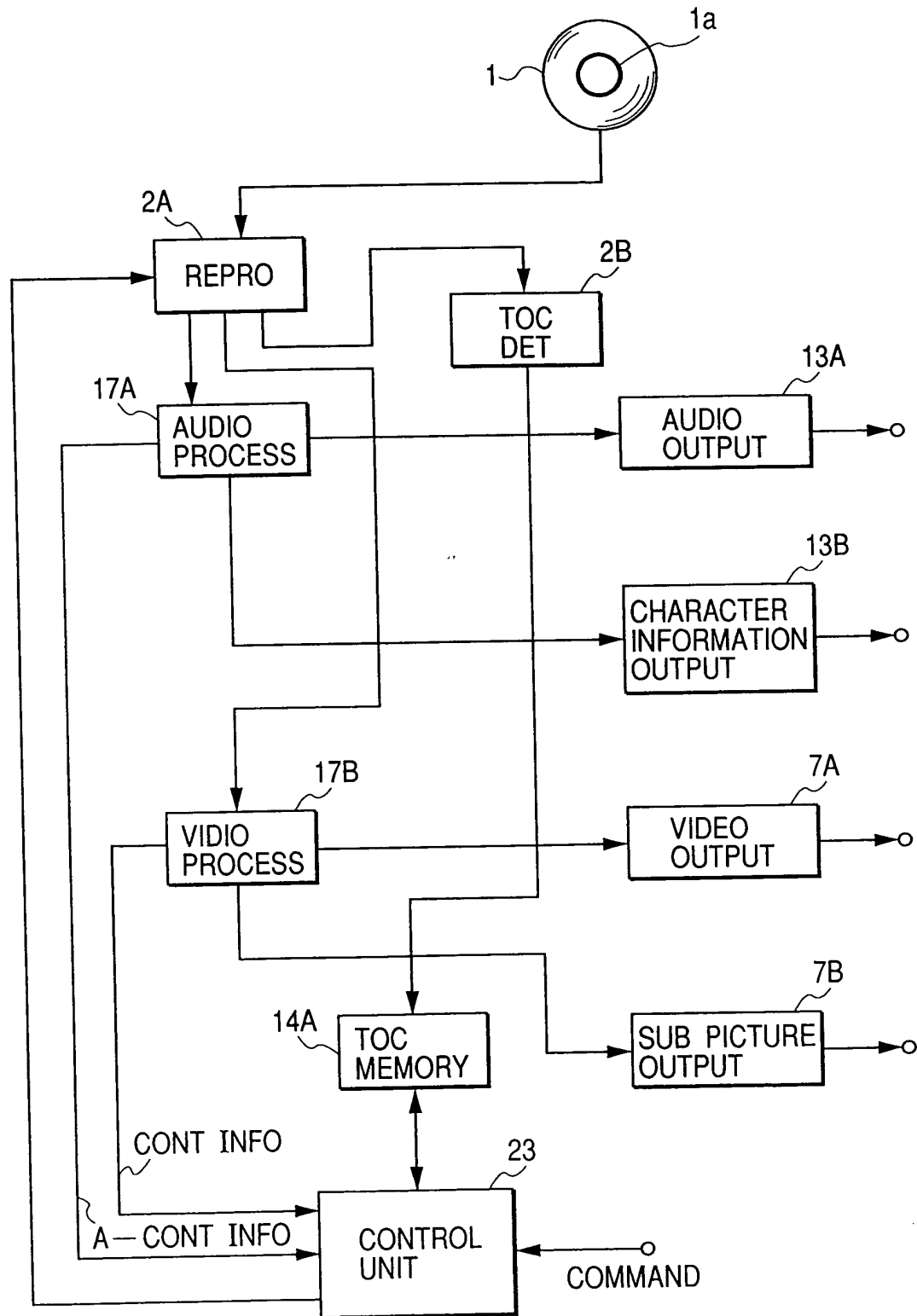


FIG. 39







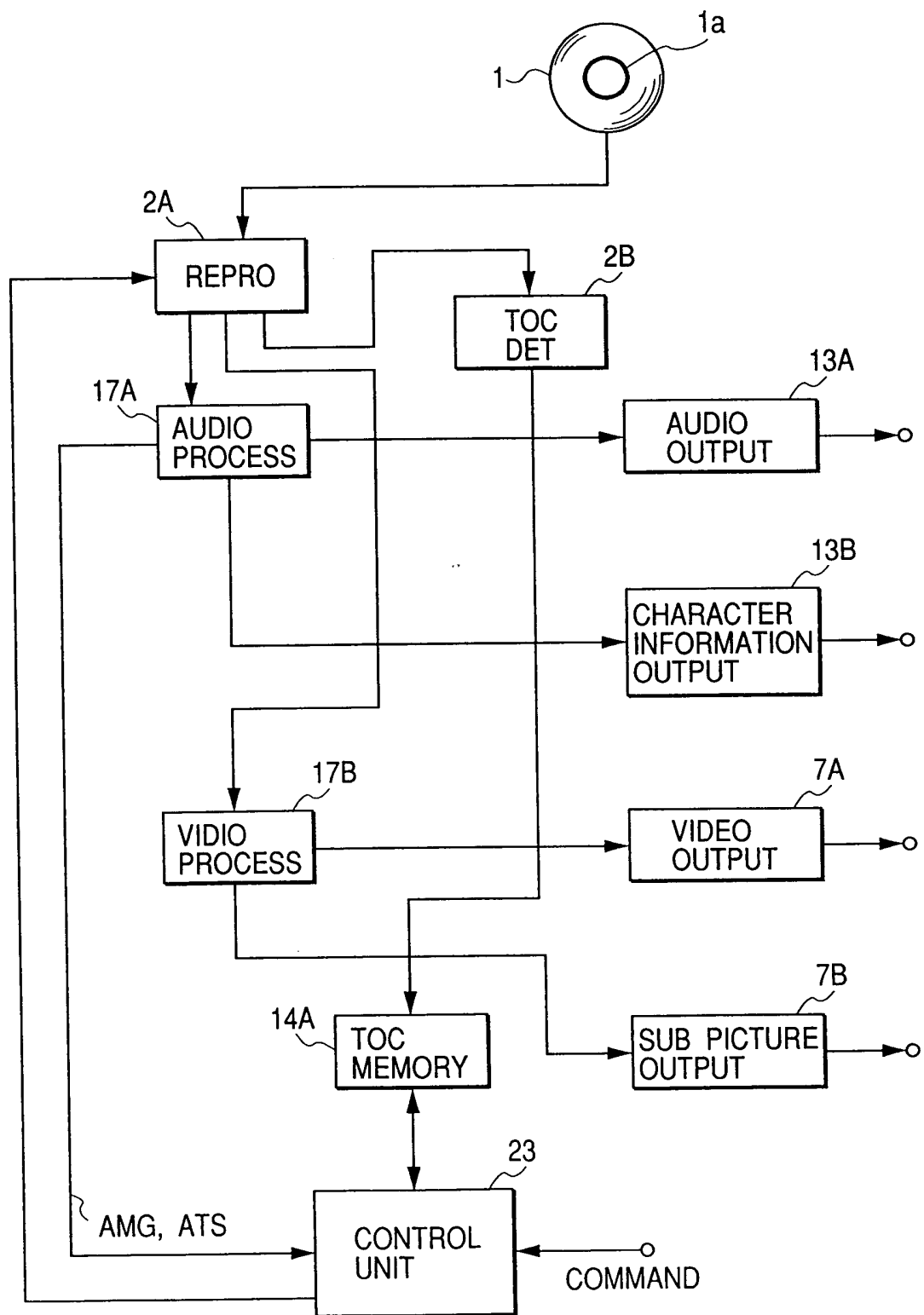
**FIG. 41**

FIG. 42

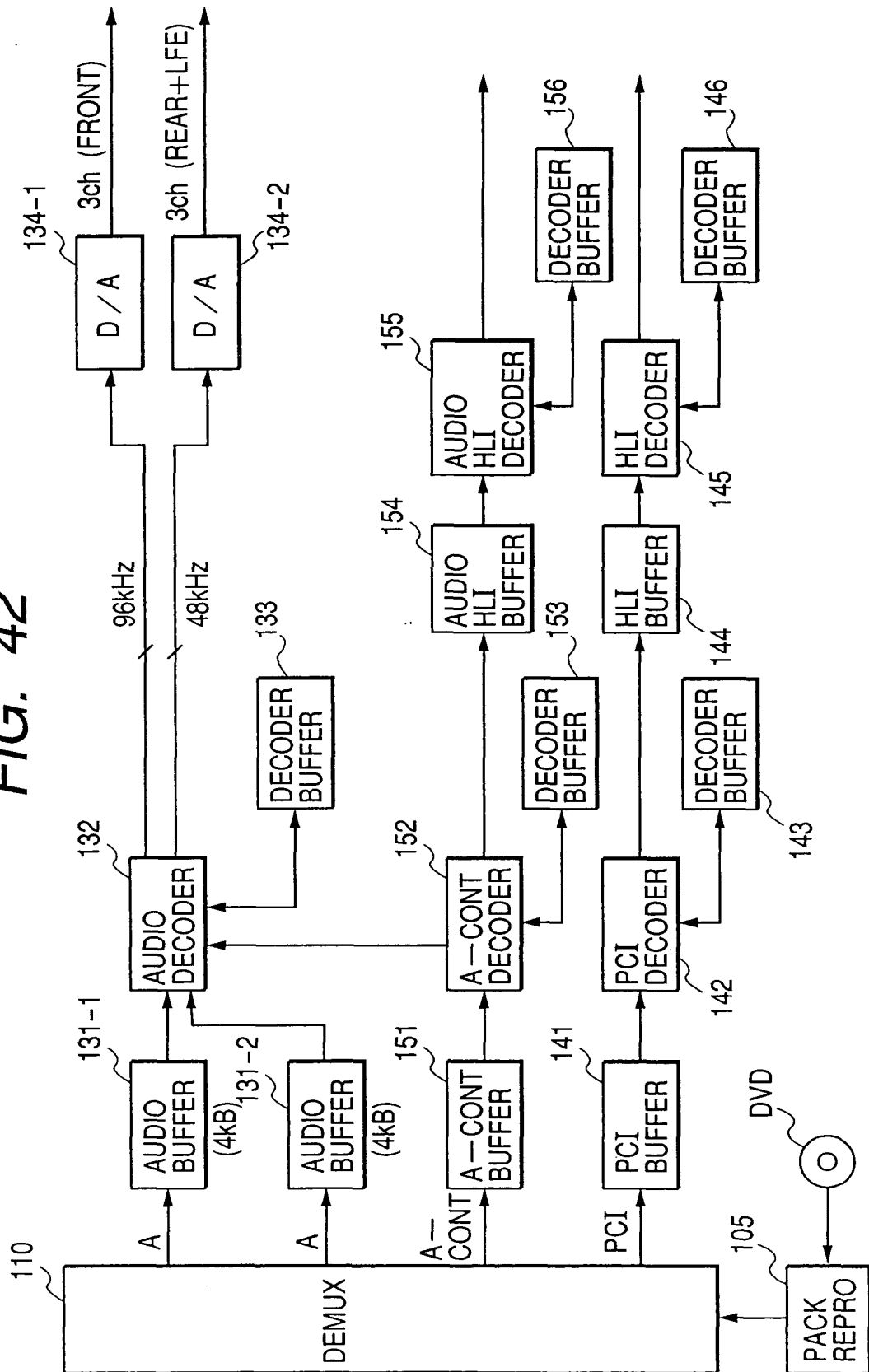


FIG. 43

